

Appl. No. : 10/759,785
Filed : January 16, 2004

REMARKS

Claims 3-4, 6-9, 14-15, and 19-30 have been cancelled. Claims 5 and 10 have been amended. Claims 1-2, 5, 10-13, and 16-18 are now pending in this application. Claims 11-13 and 16-18 are withdrawn. Support for the amendments is found in the existing claims and the specification as discussed below. Accordingly, the amendments do not constitute the addition of new matter. Applicant respectfully requests the entry of the amendments and reconsideration of the application in view of the amendments and the following remarks.

The specification has been amended throughout to designate SIGMACELL[®] and AVICEL[®] as trademarks. Additionally, the specification at paragraph 0013 has been amended to provide a chemical description for SIGMACELL[®] and AVICEL[®]. AVICEL[®] is defined as a microcrystalline cellulose. Support is found in Attachment A which includes a product description from the Sigma-Aldrich online catalog and also a description from the Merck index (Merck index, 9th edition, (Windholz, et al., eds.), Merck & Co., 1976). SIGMACELL[®] is defined as a high purity cellulose powder. Support is found in Attachment B which contains descriptions of the product from the Sigma-Aldrich online catalog.

The inventor provides the following additional information. SIGMACELL[®] and AVICEL[®] are available from Sigma-Aldrich. Both are pure crystalline which means that there is no amorphous cellulose present.

The claims have been amended to replace "cellulose derivative" with "carboxymethylcellulose" in claims 5 and 10. Claim 6 has been canceled.

The above is believed to be responsive to the remaining issues in the above-referenced application. In view of the present submission taken with the Amendment filed June 7, 2007, withdrawal of all grounds of rejection is respectfully requested.

Rejoinder

Claims 11-13 and 16-18 remain withdrawn from consideration. Applicant respectfully submits that the withdrawn claims are commensurate in scope with claims 1 and 5 from which they depend and which are believed to be in condition for allowance. Rejoinder is requested.

CONCLUSION

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Filed : January 16, 2004

In view of Applicant's amendments to the claims and the foregoing Remarks, it is respectfully submitted that the present application is in condition for allowance. Should the Examiner have any remaining concerns which might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number appearing below.

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated:

Aug 2, 2007

By:

Che S. Chereskin

Che Swyden Chereskin, Ph.D.

Registration No. 41,466

Agent of Record

Customer No. 20,995

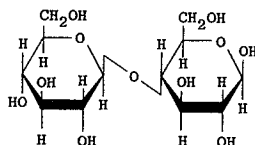
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ATTACHMENT A

1976, Merck & Co.

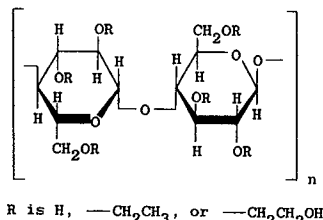
manuf of explosives, collodion, lacquers. Basic material also for cellulose acetate, cellulose xanthate. Also used in chromatography and as ion exchange material especially in the form of derivatives such as *DEAE-cellulose* (diethylaminoethyl cellulose) and *ECTOLA-cellulose*, *q.v.* Microcrystalline forms of cellulose are used as combination binder-disintegrants in tableting, as separatory medium in thin-layer and column chromatography. Colloidal cellulose particles aid in stabilization and emulsification of liquid and foam systems. May be used as pure cellulose raw-material. Incorporation of cellulose crystallite aggregates in foods to reduce caloric content: Battista, U.S. pat. 3,023,104 (1962 to American Viscose).



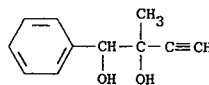
Octaacetyl- β -cellobiose, mp 202°. $[\alpha]_D^{20} -14.7^\circ$ (c = 5 in chloroform).

USE: Fibrous form is the basic material for the textile and paper industries. Nitrated it yields nitrocellulose used for

1921. Cellulose Ethyl Hydroxyethyl Ether. Ethyl hydroxyethyl cellulose; Etulos. Prepn: Jullander, *C.A.* **48**, 6114g (1954); *idem*, *Ger. pat.* **1,000,367** (1957 to Mo och Domsjö Ab.), *C.A.* **54**, 5088f (1960). Use as laxative: Alm, *C.A.* **50**, 2122i (1956); *idem*, *Am. J. Dig. Dis.* [NS] **2**, 493 (1957).



1923. Centalun. 2-Methyl-1-phenyl-3-butyne-1,2-diol; 3,4-dihydroxy-3-methyl-4-phenyl-1-butyne; 3-methyl-3,4-dihydroxy-4-phenyl-1-butyne. $C_{11}H_{12}O_2$; mol wt 176.21. C 74.97%, H 6.86%, O 18.16%. Prepn: Brit. pat. 966,115 (1964 to Boehringer, Ing.).



1930. Ce
(hydroxyme
2-carboxyliu
7-(2-cyanoa
azabicyclo[
sodium 7-(C
36278-Ba; C
43.21%, H 3
Prepn: Net



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Product Name

11365 Avicel® PH-101

Fluka **BioChemika**

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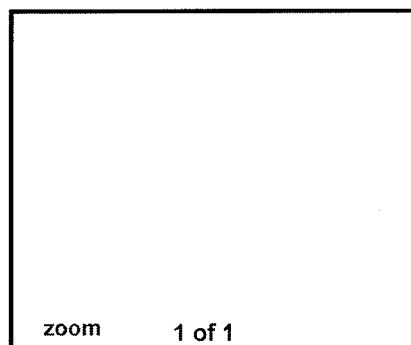
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Synonym

Cellulose microcrystalline

Cellulose powder

Cellulose

Cotton linters

CAS Number

9004-34-6

EG/EC Number

2326749

MDL number

MFCD00081512

[Expand/Collapse All](#)

Price and Availability

[Click For Pricing and Availability](#)

Descriptions

Application

High purity cellulose powders for partition chromatography.

Legal Information

® Registered Trademark of FMC Corporation

Avicel is a registered trademark of FMC Corp.

Properties

product line

BioChemika

particle size

~50 µm

References

Merck

Merck 13,1977

reference

RegBook 1 (2), 3159:J / Structure Index 1, 500:B:3 / Structure Index 1, 500:A:3

Safety

WGK Germany

1

RTECS

FJ5691460

F

3

Related Categories

... Adsorbents (Resins) > **Miscellaneous**

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11365

11363

S6790

S5504

S3504

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Product Name

11363 Avicel® PH-101

Fluka Ph Eur

Relax

FT-IR F

MSDS

Certific

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Similar

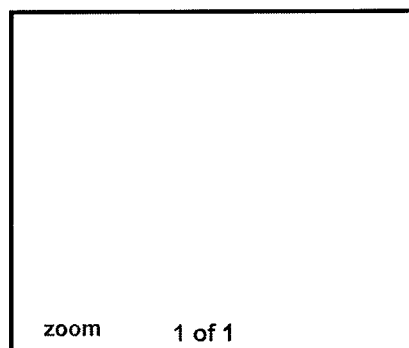
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Synonym

Cellulose microcrystalline

Cellulose powder

Cellulose

Cellulosum microcrystallinum

Cotton linters

CAS Number

9004-34-6

EG/EC Number

2326749

MDL number

MFCD00081512

zoom 1 of 1

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Price and Availability

[Click For Pricing and Availability](#)

Descriptions

Application

High purity cellulose powders for partition chromatography.

Legal Information

® Registered Trademark of FMC Corporation

Avicel is a registered trademark of FMC Corp.

Properties

grade

Ph Eur

pharmacopeia

testing & handling conforms to Pharmacopeia

References

Merck

Merck 13,1977

reference

RegBook 1 (2), 3159:J / Structure Index 1, 500:B:3 / Structure Index 1, 500:A:3

Safety

WGK Germany

1

RTECS

FJ5691460

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Last 5 P

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ATTACHMENT B



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Product Name

S3504 Sigmacell Cellulose

Sigma-Aldrich Type 20, 20 µm

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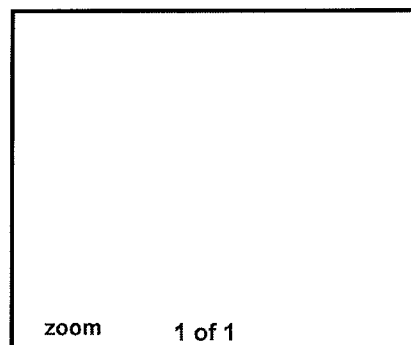
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Last 5 Products

S3504



Synonym

Cellulose powder

Cellulose

Cotton linters

CAS Number

9004-34-6

EG/EC Number

2326749

MDL number

MFCD00081512

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Price and Availability

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Descriptions

Application

High purity cellulose powders for partition chromatography.

Makes extremely durable layers. Sharp separations for amino acids, sugars and other hydrophilic substances. Development time as short as 2 hours for 8" plates.

Reconstitution

For TLC, simply blend a 15-20% aqueous slurry for about one minute and coat plates; dry at room temperature. Usually does not require activation before use.

Legal Information

Sigmacell is a trademark of Sigma-Aldrich Biotechnology LP.

Properties

type

Type 20

particle size

20 µm

References

Merck

Merck 13,1977

reference

RegBook 1 (2), 3159:J / Structure Index 1, 500:B:3 / Structure Index 1, 500:A:3

Safety

WGK Germany

1

RTECS

FJ5691460

F

3

Related Categories

... Bulk Adsorbents for TLC > Cellulose TLC Adsorbents

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Product Name

S5504 Sigmacell Cellulose

Sigma-Aldrich Type 50, 50 µm

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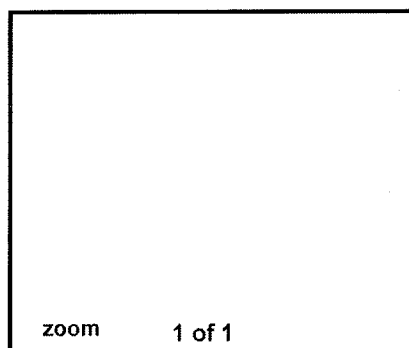
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Synonym

Cellulose powder

Cellulose

Cotton linters

CAS Number

9004-34-6

EG/EC Number

2326749

MDL number

MFCD00081512

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Price and Availability

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Descriptions

Application

Faster development times than Type 20 (1-4 hours) with a little loss of resolution.

May yield a colored background.

High purity cellulose powders for partition chromatography.

Reconstitution

For TLC, simply blend a 15-20% aqueous slurry for about one minute and coat plates; dry at room temperature. Usually does not require activation before use.

Legal Information

Sigmacell is a trademark of Sigma-Aldrich Biotechnology LP.

Properties

type

Type 50

particle size

50 µm

References

Merck

Merck 13,1977

reference

RegBook 1 (2), 3159:J / Structure Index 1, 500:B:3 / Structure Index 1, 500:A:3

Safety

WGK Germany

1

RTECS

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Related Categories

... Bulk Adsorbents for TLC > [Cellulose TLC Adsorbents](#)

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S5504

S3504

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Product Name

S6790 **SigmaCell Cellulose**

Sigma-Aldrich **Type 101, Highly purified, fibers**

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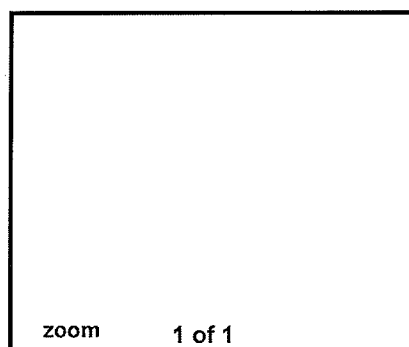
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Last 5 Products

S6790

S5504

S3504



Synonym Cellulose powder
Cellulose
Cotton linters

CAS Number 9004-34-6

EG/EC Number 2326749

MDL number MFCD00081512

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Price and Availability

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Descriptions

Application Extremely useful for rapid TLC of nucleotides, amino acids, sugars, phenolics, etc. Development time only 0.5 to 3 hours for 8" plates. Usually yields a clear colorless background.

High purity cellulose powders for partition chromatography.

Reconstitution For TLC, simply blend a 15-20% aqueous slurry for about one minute and coat plates; dry at room temperature. Usually does not require activation before use.

Legal Information SigmaCell is a trademark of Sigma-Aldrich Biotechnology LP.

Properties

type Type 101

form fibers

References

Merck Merck 13,1977

reference RegBook 1 (2), 3159:J / Structure Index 1, 500:B:3 / Structure Index 1, 500:A:3

Safety

WGK Germany 1

RTECS FJ5691460

F 3

Related Categories

... Bulk Adsorbents for TLC > **Cellulose TLC Adsorbents**

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